Arc-Pod

ORDERCODE 41351

SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!
You have bought a great, innovative product from Showtec.
The Showtec Arc-Pod brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.
We design and manufacture professional light equipment for the entertainment industry.
New products are being launched regularly. We work hard to keep you, our customer, satisfied.
For more information: iwant@showtec.info

You can get some of the best quality, best priced products on the market from Showtec.
So next time, turn to Showtec for more great lighting equipment.
Always get the best -- with Showtec !

Thank you!

Showtec Arc-Pod™ Product Guide

Warning..... 2
Safety-instructions..... 2
Operating Determinations..... 3
Rigging..... 3

Description..... 4
Features..... 4
Overview..... 4

Installation..... 4

Set Up and Operation..... 4

Beam Angles / LUX Values..... 5

Maintenance..... 6

Troubleshooting..... 6

Product Specifications..... 7

Spare Parts..... 8

WARNING

CAUTION!
Keep this device away from rain and moisture!

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never leave any cables lying around.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmerpack.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

OPERATING DETERMINATIONS

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc. You endanger your own safety and the safety of others!

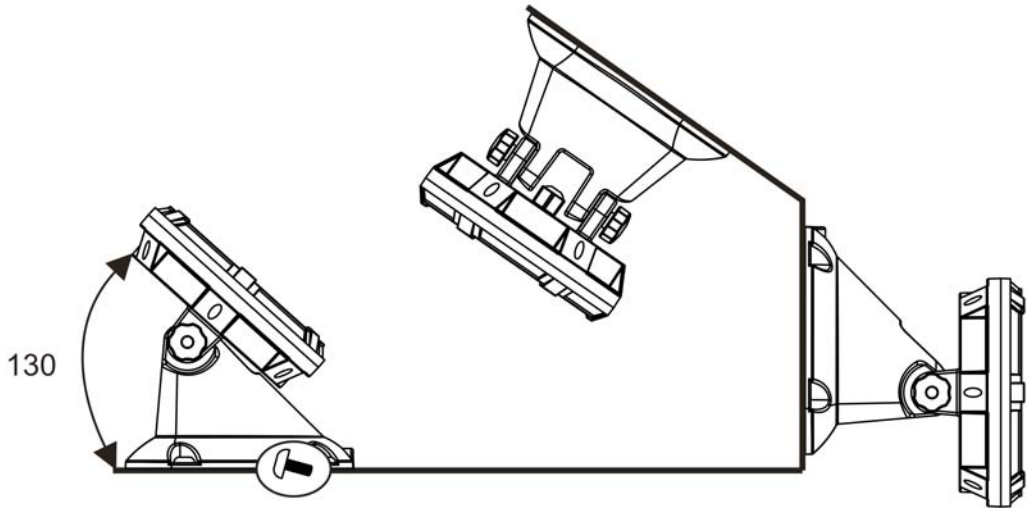
Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the Arc-Pod is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use 3 bolts or screws to mount the Arc-Pod.
- The Arc-Pod must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the Arc-Pod, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.



The Arc-Pod can be mounted on any flat surface using three screws or bolts. Make sure that the plastic mounting surface of the Arc-Pod and the flat mounting surface are perfectly in contact with one another, otherwise the plastic could crack. Once the Arc-Pod is mounted to the surface it is possible to rotate the Arc-Pod head 130º, to direct the output in the required direction.

Improper installation can cause serious damage to people and property !

Description of the device

Features

The Arc-Pod is a LED system from Showtec.
• 18 High power LEDs (6 Red, 6 Green, 6 Blue)
• Protection Rating IP65
• LED Beam Angle: 30º

Overview

Fig. 1

NOTE: * Please make sure to also obtain the 41359 Arc-Pod Driver.
This device is essential for using the Arc-Pod.
* Please make sure to check the voltage of your Arc-Pod, before buying or using your Arc-Pod Driver. Damages caused by non-observance are not subject to warranty.
* The Arc-Pod Driver can handle 12 Arc-Pods. Pay attention to this when connecting multiple Arc-Pods to one driver.

Installation

Remove all packing materials from the Arc-Pod. Check that all foam and plastic padding is removed. Connect all cables.

Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

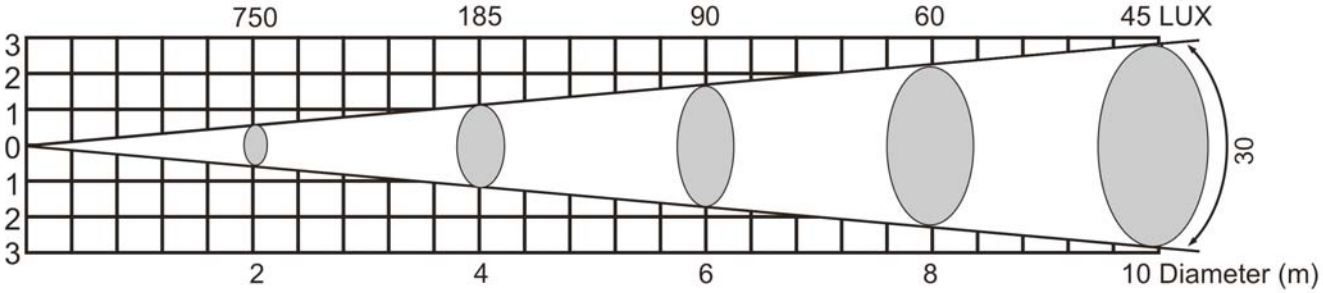
Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.
Connect the controller with the Arc-Pods and then connect the Arc-Pod Driver with the power

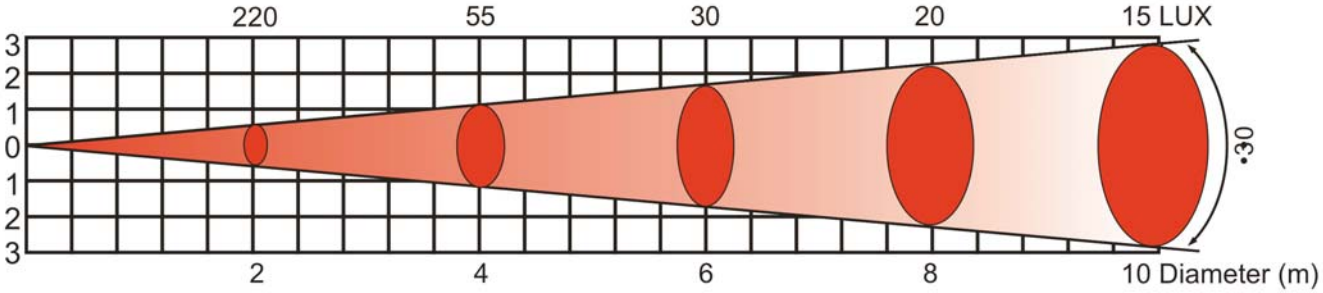
Do not supply power before the whole system is set up and connected properly.

Beam Angles / LUX Values

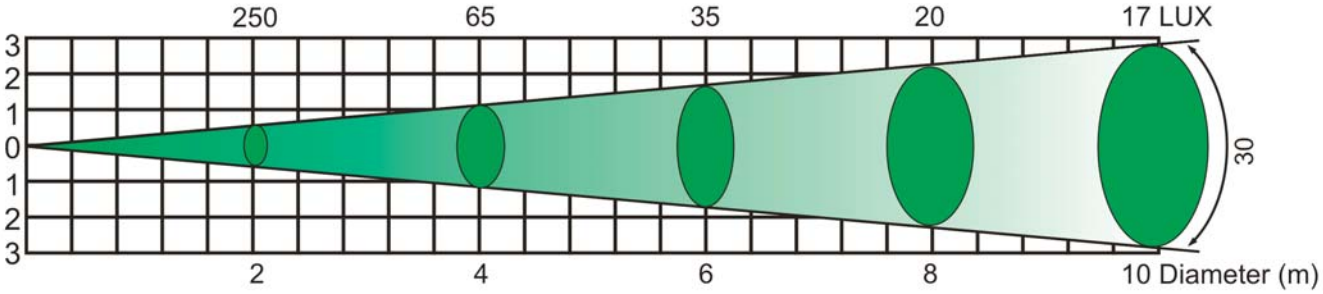
WHITE



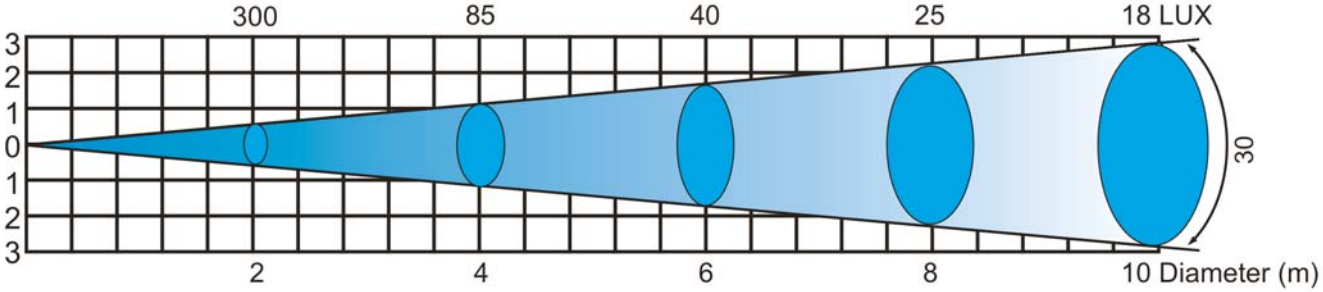
RED



GREEN



BLUE



Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.
The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:
1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

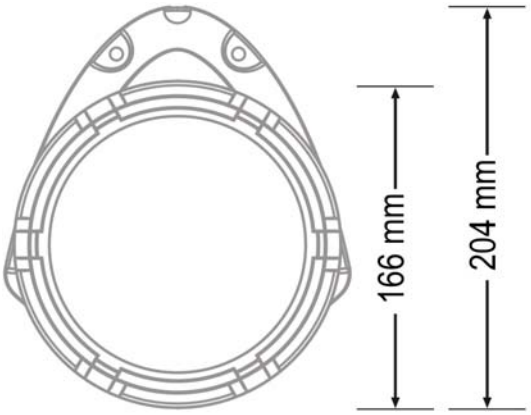
The Arc-Pod requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid.
Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

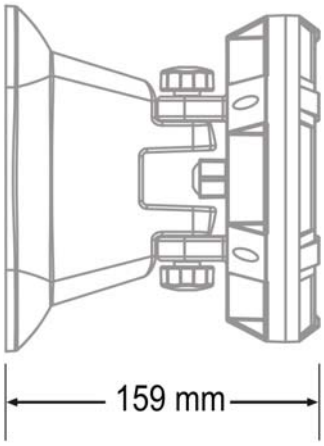
Troubleshooting

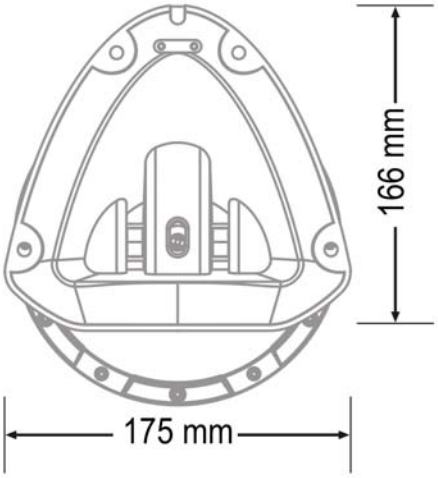
Showtec Arc-Pod
This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.
1. If the device does not operate properly, unplug the device.
2. Check the controller, power from the wall, all cables etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the Arc-Pod, as this may damage the unit and the warranty will become void.
5. Return the device to your Showtec dealer.

Product Specification

Model: Showtec Arc-Pod
Voltage: 24 V DC
Power: 18W
Beam Angle: 30º
Light Source: 18 (1W) High power LEDs
(6 Red, 6 Green, 6 Blue)
Max Projecting distance: 20m.
Colors: RGB
Protection Rating: IP65
Weight: 1 kg



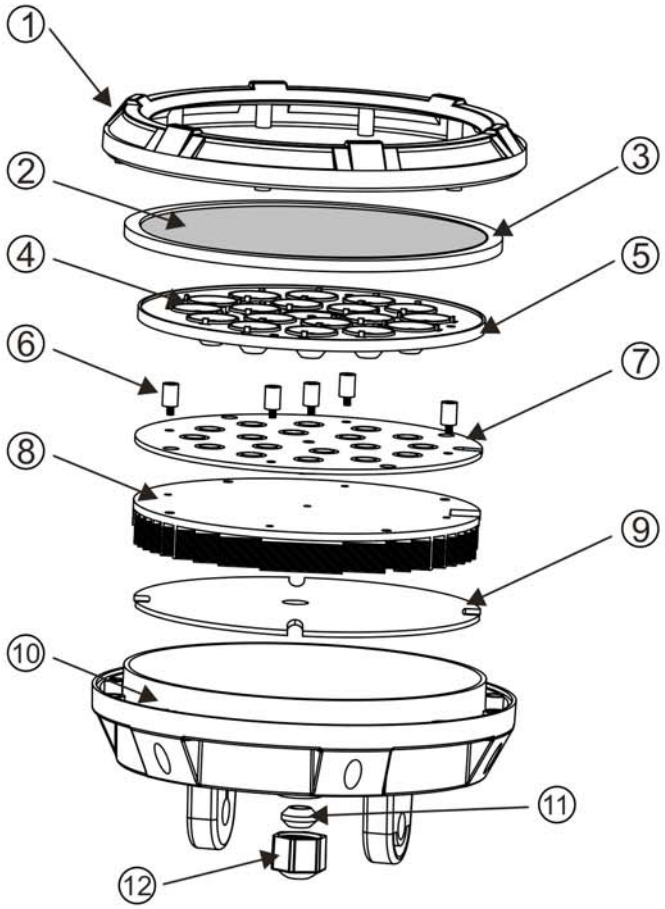




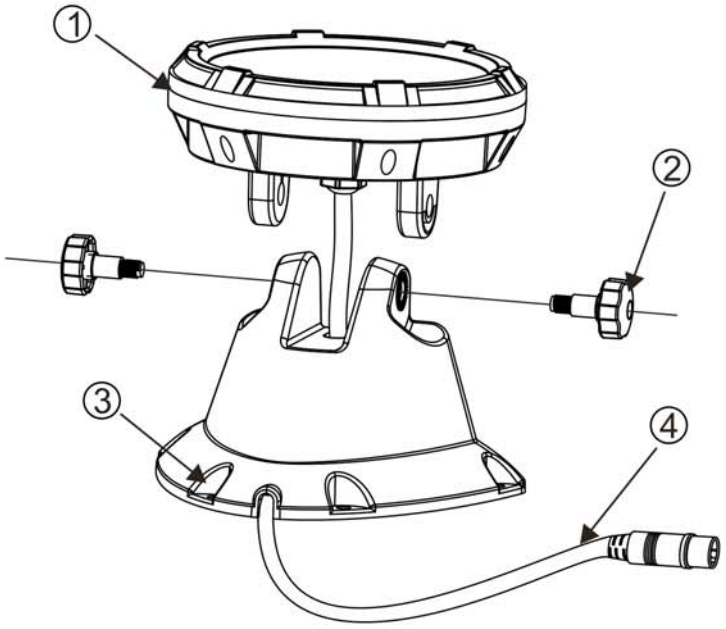
Design and product specifications are subject to change without prior notice.

CE

Spare Parts



No	ITEM
1	LED MODULE UPPERCOVER
2	CLEAR PLATE
3	SEAL
4	LED LENS
5	LED PCB RING
6	SUPPORT
7	LED PCB
8	HEAT-SINKBLOCK
9	HEAT-SINKPLATE
10	LED MODULE LOWERCOVER
11	WATERPROOF SEAL
12	WATERPROOF NUT



No	ITEM
1	LED MODULE UPPERCOVER
2	POSITIONING SCREW
3	LED MODULE BASE
4	SIGNAL CABLE

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